

News

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Recycled cars – an economic resource

Where to go with the plastic parts separated from the car recycling?

Bumpers, batteries, lights, dashboards, seats – to name only the most important ones – will be mount up at the disassembling or part exchange of the old cars.

This obliged a Russian company to specialize their activities to this new business domain. The parts will be delivered separated and size reduced and afterwards grinded. Partly materials need to be additionally cleaned before they are pelletized on the PME 100/35 in special

execution. The vacuum extraction is extremely extended to evaporate successful possible remaining moisture. This enables a first class homogeneous melt which will be passed through the continuously operating screen changer with two pistons and extremely extended filtration area to receive an absolut clean product.

The integrated backflush operation reduces the frequencies of screen changing in multiple ways



Pelletizing in the Move

and cuts the production costs additionally.

The main material to be reprocessed is PP but also ABS, PC and PMMA are available in highest quality.

Short after installation the staff was trained and the production started and moved quickly into a continuous process and it was possible to find a number of new customers.

This is only a small start and the future progress cannot be evaluated yet but in any case it will be an enormous saving of energy and enables an important benefit for the environment.

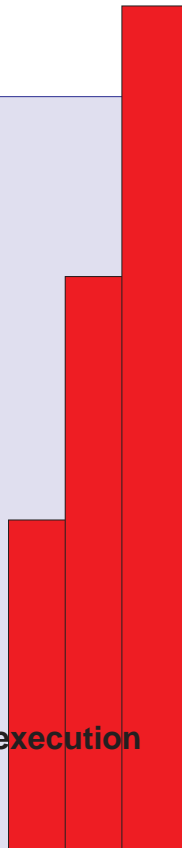
This basis has been layed in many countries and it is foreseeable that the recycled cars will be an additional raw material market at a very economical way.

The continuous operating screenchanger in hydraulic execution is an absolutely MUST!



The extremely extended cylindrical screen area with the possibility of backflush reduces the changing frequencies to an absolut minimum.

Comparison of flat against cylindrical surface execution



Gardening tools – the never ending story



Combiline ZTE for the Processing of PP-materials to almost Virgin Quality.

One of the important European manufacturers of gardening products like plant pots, bins, film a.s.o. is handling the returns of seasonal plant actions and recycles the waste to a high quality of raw material.

the turbulent material stream into the transfer screw and further into the screw of the extruder with its atmospheric and vacuum degassing ports.

After further homogenisation the mass will

be transferred through the hydraulic 2-piston screen changer and the pelletizing head and die.

The screen changer is able to separate a high amount of contamination due to its large cylindrical execution and the possibility of backflush operation. This enables long production runs and reduces consequently the labour costs.

The plastic melt will enter the pelletizing unit in highest quality and be sized to the required dimensions. The water ring unit will transport and cool the pellet until it reaches the cooling system where the water

gets separated and a further cooling will be achieved.

This flexible combination system enables a very powerful preheating that will save energy to a large extent on the extrusion process and reduces the labour costs. With these advanced features it is possible for the customer to produce a very economic raw material for their own needs.

With the combination line ZTE 80/35 the customer was able to close the loop at a very efficient way. The system meets the requirements of the company precisely.

Through the automatic feeding of the continuous operating densifier it is possible to obtain the highest productivity, specially enclosed moisture of the previous cleaning steps can be evaporated at a extreme high level and safely guided through the incorporated ventilation system. The centrifugal force of the rotor stuffs

Sales Germany

Gerhard Beck is a successful salesman for plastic processing technic specially with large experience in recycling technology.

As MD for PLANEX GmbH he was able to develop a broad „Know-how“ for the reprocessing of waste materials to high technical solutions and products. We are pleased to co-operate with him as competent partner who builds the best relation between machine manufacturer and customer to decide for the most efficient equipment.

As installations have to fulfil their duty for many years a precise decision is most essential. Not only the price but also operation costs, service, labour – and energy consumption have to be considered.

We are sure that Gerhard Beck is the right partner between Plasmachines and our customers.



Impressum:

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